

<b>Total Residual Chlorine by DPD Method</b> <b>HACH 8167 for Spectrophotometer (S) or Pocket Colorimeter (P)</b>						Page 1 of 2
Facility Name: _____ VELAP ID: _____						
Assessor Name: _____ Analyst Name: _____ Inspection Date: _____						
Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments	
<i>Records Examined:</i> SOP Number/ Revision/ Date _____ Analyst: _____						
Sample ID: _____ Date of Sample Preparation: _____ Date of Analysis: _____						
If sampling from a tap, is water allowed to flow for at least 5 minutes to ensure a representative sample?	8167 Pg. 373 (S) 8167 Pg. 155 (P)					
Are plastic containers avoided, since these may have a large chlorine demand?	8167 Pg. 373 (S) 8167 Pg. 154 (P)					
Are samples analyzed immediately after collection?	8167 Pg. 369 (S) 8167 Pg. 154 (P)					
When sample's pH is <4 or >10, is sample's pH adjusted to pH 6-7 prior to analysis?	8167 Pg. 372 (S) 8167 Pg. 157 (P)					
Is the correct program used on a HACH pocket colorimeter or HACH spectrophotometer, or are results measured at 530 nm?	8167 Pg. 369 (S) 8167 Pg. 374 (S) 8167 Pg. 151 (P)					
Is the instrument zeroed using a clean sample cell which is filled with the sample being analyzed?	8167 Pg. 371, 372 (S) 8167 Pg. 152, 153 (P)					
Is the prepared sample cell or ampul wiped and analyzed between 3 to 6 minutes after adding DPD?	8167 Pg. 371, 372 (S) 8167 Pg. 152, 153 (P)					
If a result is over-range, is the sample diluted with a known volume of high quality, chlorine-free water and reanalyzed? (Result is multiplied by the dilution factor.)	8167 Pg. 369 (S) 8167 Pg. 152 (P)					
<b>If using DPD powder pillows:</b>						
Is the sample cell filled with 10 mL of sample?	8167 Pg. 370 (S) 8167 Pg. 151 (P)					
After adding DPD to the sample, is the sample swirled for 20 seconds to mix?	8167 Pg. 370 (S) 8167 Pg. 153 (P)					
Notes/ Comments:						

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<b>If using Accuvac Ampuls:</b>						
If Accuvac ampuls are used, is at least 40 mL of sample collected in a 50 mL beaker?	8167 Pg. 370 (S) 8167 Pg. 153 (P)					
Is the ampul tip immersed in the sample until completely filled?	8167 Pg. 371 (S) 8167 Pg. 153 (P)					
Is the filled ampul inverted several times to mix?	8167 Pg. 371 (S) 8167 Pg. 153 (P)					
Notes/ Comments:						